

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* 8A4208W

*This certificate, issued to* **Braniff Airways, Inc.  
P. O. Box 35001  
Dallas, Texas 75235**

**Project T1640SW-S**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 4b of the Civil Air Regulations.*

*Original Product — Type Certificate Number:* 4A21 and 4A28

*Make:* Boeing

*Model:* 707-227, 720-027, 707-138B

*Description of Type Design Change:* Install dual Collins FD-108 Flight Director System replacing Collins FD-105 Flight Director System having dual instrumentation with single steering computer according to Braniff Airways Engineering Change Release 15-64 dated 7/28/64 with Addenda 1 dated 8/6/64, 2 dated 9/1/64 and 3 dated 9/3/64; or replacing Bendix 300 Series according to EA No. 8-31-21, Rev. 1 dated 6/24/69, EA No. 8-31-218, Rev. 1 dated 6/24/69, EA No. 8-34-61, Rev. 1 dated 6/24/69, EA No. 8-34-81 Section A dated 12/19/69, EA No. 8-34-81 Section B dated 3/26/70.

*Limitations and Conditions:*

1. FAA Approved Airplane Flight Manual Supplemental Revision No. 19 dated 10/20/64 required for Boeing 707-227.
2. FAA Approved Airplane Flight Manual Supplemental Revision No. 6 dated 9/16/64 required for Boeing 720-027.
3. FAA Approved Airplane Flight Manual Supplemental Revision No. 1 dated 6/26/69 required for Boeing 707-138B.
4. This equipment has not been evaluated for Category II performance.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* August 13, 1964

*Date reissued:* June 26, 1969

Revision 1

*Date of issuance:* September 16, 1964

*Date amended:*



*By direction of the Administrator*

*Donald P. Watson*  
(Signature)

Glen W. Welsh

**Chief, Engineering and Manufacturing Branch**  
(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*